

Schedule Young Researchers Meeting and CSE Workshop

Time	Monday, 21.03.16	Tuesday, 22.03.16
9.00 - 9.30	Arrival	U. Kaya A Variational Multiscale Method for Navier-Stokes Equations
9.30 - 10.00		S. Möller Solving saddle-point problems with deflated IDR
10.00 - 10.30		M. Wende Application of Hierarchical Matrices to Scattered Data Approximation
10.30 - 11.15		Coffee break
11.15 - 11.45		J. Reimer Optimization of Model Parameters and Experimental Designs for a Global Marine Biogeochemical Model
11.45 - 12.15		N. Albrecht High-resolution simulations of flows through porous media
12.15 - 13.00	Lunch	Lunch
13.00 - 13.30		
13.30 - 14.00	Introduction YRM	Introduction CSE Workshop
14.00 - 14.30	C. Grässle A residual based snapshot location strategy for POD in distributed optimal control of linear parabolic equations	M. Hinze Optimal control of PDEs on surfaces
14.30 - 15.00	B. Diederichs Localization and Oscillating Sums	U. Matthes Model Order Reduction for Robust and Non-Robust Optimization with PDE Constraints
15.00 - 15.30	M. Naseer On fully discrete finite element schemes for the Fermi and Fokker-Planck pencil-beam equations	M. Siebenborn HPC optimization algorithms for interface identification problems
15.30 - 16.00	Coffee break	Coffee break
16.00 - 16.30	Network Activity	T. Vehling Shape optimization based on a fictitious domain method with curves
16.30 - 17.00		H. Kröner Numerical approximation of positive power curvature flow via deterministic games
17.00 - 17.30		A. Gerdes Enhancement of adjoint topology optimization by approximated L^1 -regularization for promotion of sparse distributed control
17.30 - 19.00	Dinner	Dinner
ab 19.00	Evening program	Poster blitz

Time	Wednesday, 23.03.16	Thursday, 24.03.16
9.00 - 10.00	Lecture G. Plonka-Hoch: Sparse FFT: Can the fast Fourier transform be made even faster?	Lecture A. Schiela: Concepts of Optimization Algorithms in Function Space
10.00 - 10.30	R. Beinert Ambiguities in one-dimensional phase retrieval from FOURIER magnitudes	Q. Tran Energy functional approach for simultaneously identifying the diffusion matrix, reaction coefficient and source term in an elliptic PDE
10.30 - 11.00	Coffee break	Coffee break
11.00 - 11.30	S. Beckers Smoothing modification of the dual equation for the dual-weighted-residual method	C. Kahle Optimal control of time discrete two-phase flow governed by a diffuse interface model
11.30 - 12.00	T. Slawig Parallel-in-time computation in climate research	Lecture D. Kressner:
12.00 - 12.30	M. Beckmann On the Error Behaviour of the Filtered Back Projection	Low-rank techniques in uncertainty quantification
12.30 - 13.00	Lunch	Lunch
13.00 - 13.30		
13.30 - 14.00	M. Braack	Departure
14.00 - 14.30	J. Cuenca Tangential Homology for Defect Detection in the Time of Flight Diffraction Method (TOFD)	
14.30 - 15.00	H. Schumacher Variational Convergence of Discrete Euler Elastica	
15.00 - 15.30	Coffee break	
15.30 - 16.00	A. Ali Multilevel Monte Carlo Analysis for optimal control of elliptic PDEs with random coefficients	
16.00 - 16.30	T. Jordan Finite element analysis of Free Material Optimization problems	
16.30 - 17.00		
17.00 - 17.30		
ab 18.00	Conference-Dinner: Restaurant Alte Schwimmhalle am Schloss	